

## DAFTAR PUSTAKA

- Abdelhamid, A. A., Alotaibi, S. R., & Mousa, A. (2020). Deep learning-based prototyping of android gui from hand-drawn mockups. *IET Software*, 14(7). <https://doi.org/10.1049/iet-sen.2019.0378>
- Adefris, B. B., Habtie, A. B., & Taye, Y. G. (2022). Automatic Code Generation From Low Fidelity Graphical User Interface Sketches Using Deep Learning. *2022 International Conference on Information and Communication Technology for Development for Africa, ICT4DA 2022*. <https://doi.org/10.1109/ICT4DA56482.2022.9971204>
- Adrian Kaehler, & Gary Bradski. (2017). *Learning OpenCV 3 Computer Vision in C++ With The OpenCV Library* (First Edition). O'Reilly Media, Inc.
- Ali, S., Aslam, N., Kim, D. H., Abbas, A., Tufail, S., & Azhar, B. (2023). Context awareness based Sketch-DeepNet architecture for hand-drawn sketches classification and recognition in AIoT. *PeerJ Computer Science*, 9. <https://doi.org/10.7717/PEERJ-CS.1186>
- Arefin, M., Hossen, K. M., & Khan, R. (2023). Pic2code: Generating HTML Code from Handwritten Picture. *2023 26th International Conference on Computer and Information Technology, ICCIT 2023*. <https://doi.org/10.1109/ICCIT60459.2023.10441098>
- Aşıroğlu, B., Mete, B. R., Yildiz, E., Nalçakan, Y., Sezen, A., Dağtekin, M., & Ensari, T. (2019). Automatic HTML code generation from mock-up images using machine learning techniques. *2019 Scientific Meeting on Electrical-Electronics and Biomedical Engineering and Computer Science, EBBT 2019*. <https://doi.org/10.1109/EBBT.2019.8741736>
- Bhadresh Panchal. (2024). *Must-Know Front End Statistics for Data-Driven Decision Making*. <https://Radixweb.Com/Blog/Frontend-Statistics>.
- Chavarriaga, E., Jurado, F., & Rodríguez, F. D. (2023). An approach to build JSON-based Domain Specific Languages solutions for web applications. *Journal of Computer Languages*, 75. <https://doi.org/10.1016/j.col.2023.101203>

- Chen, S., Fan, L., Su, T., Ma, L., Liu, Y., & Xu, L. (2019). Automated Cross-Platform GUI Code Generation for Mobile Apps. *AI4Mobile 2019 - 2019 IEEE 1st International Workshop on Artificial Intelligence for Mobile*.  
<https://doi.org/10.1109/AI4Mobile.2019.8672718>
- Craig Douglas. (2024). *Low Fidelity vs. High Fidelity Wireframe: What is the Difference and When to Use Them?* <https://www.visily.ai/blog/low-fidelity-vs-high-fidelity-wireframe/>.
- De Souza Baulé, D., Gresse, C., Wangenheim, V., Wangenheim, A. Von, Carlo, J., Hauck, R., Baulé, D., Gresse Von Wangenheim, C., Von Wangenheim, A., Hauck, J. C. R., & Vargas Júnior, E. C. (2021). *Automatic code generation from sketches of mobile applications in end-user development using Deep Learning*.  
<https://www.researchgate.net/publication/349963791>
- Devam, D., Rashid, F., & Rashid Hakeem, F. (2022). Sketch2Code: HTML code generation from sketch. In *International Journal for Research Trends and Innovation (www.ijrti.org)* (Vol. 7). [www.ijrti.org](http://www.ijrti.org)
- ECMA. (2017). *Standard ECMA-404 The JSON Data Interchange Syntax* (2nd Edition). ECMA International.
- Gupta, P., & Bansal, V. (2021). UI element detection from wireframe drawings of websites. *CEUR Workshop Proceedings*, 2936.
- Jenifer Tidwell, Charles Brewer, & Aynne Valencia. (2020). *Designing Interfaces Patterns for Effective Interaction Design* (3rd ed.). O'Reilly Media.
- Kaluarachchi, T., & Wickramasinghe, M. (2023). A systematic literature review on automatic website generation. *Journal of Computer Languages*, 75.  
<https://doi.org/10.1016/j.cola.2023.101202>
- KazangiRler, C. B., Özcan, C., & Tekin, B. Y. (2023). UIBee: An improved deep instance segmentation and classification of UI elements in wireframes. *Turkish Journal of Electrical Engineering and Computer Sciences*, 31(3).  
<https://doi.org/10.55730/1300-0632.3999>
- Liang, X., & Lin, T. (2023). Sketch2Wireframe: an automatic framework for transforming hand-drawn sketches to digital wireframes in UI design. *Visual Computer*. <https://doi.org/10.1007/s00371-023-03188-z>

- Lohana, B., Tanna, M., Pamnani, G., Sahijwani, T., & Temkar, R. (2022). A Deep Learning Approach for Generating Mark-up Code from Sketch Images. *International Journal for Research in Applied Science and Engineering Technology*, 10(4). <https://doi.org/10.22214/ijraset.2022.40675>
- Martin Fowler. (2011). *Domain-Specific Language*. Addison-Wesley.
- Miniukovich, A., & De Angeli, A. (2015). Computation of interface aesthetics. *Conference on Human Factors in Computing Systems - Proceedings, 2015-April*. <https://doi.org/10.1145/2702123.2702575>
- Noel, R., Panach, J. I., & Pastor, O. (2022). Challenges for Model-Driven Development of Strategically Aligned Information Systems. *IEEE Access*, 10. <https://doi.org/10.1109/ACCESS.2022.3162225>
- Rafael C. Gonzalez, & Richard E. Woods. (2018). *Digital Image Processing* (4th ed.). Pearson.
- Riaz, S., Arshad, A., Band, S. S., & Mosavi, A. (2022). Transforming Hand Drawn Wireframes into Front-End Code with Deep Learning. *Computers, Materials and Continua*, 72(3). <https://doi.org/10.32604/cmc.2022.024819>
- Said Mirza Pahlevi. (2023). *Kecerdasan Buatan Dengan Deep Learning*. Elex Media Komputindo.
- Santos, A. L. (2017). Variability management of plugin-based systems using feature models. *Software - Practice and Experience*, 47(7). <https://doi.org/10.1002/spe.2428>
- Sayed, A., & Anjum, N. (n.d.). *Plug-In Architecture as Software Extension Mechanism: An Extensive Study of Eclipse Architecture*. <https://doi.org/10.13140/RG.2.2.11927.59048>
- Stackoverflow. (2024). *Stackoverflow 2024 Developer Survey*. <https://survey.stackoverflow.co/2024/Technology#2-Web-Frameworks-and-Technologies>.
- The Software House. (2024). *State of Front End 2024*. <https://tsh.io/state-of-frontend> (Accessed: 28 September 2025) .

- Tsvetelina Lazarova. (2018). *Low Fidelity Wireframes vs High Fidelity Wireframes*.  
<https://Mentormate.Com/Blog/Low-Fidelity-Wireframes-vs-High-Fidelity-Wireframes/>.
- W3C. (2025). *JSON-LD Test Suite*. <https://W3c.Github.Io/Json-Ld-Streaming/Tests/>.
- Walker, M., Takayama, L., & Landay, J. A. (2002). High-Fidelity or Low-Fidelity, Paper or Computer? Choosing Attributes when Testing Web Prototypes. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 46(5).  
<https://doi.org/10.1177/154193120204600513>
- Willmott, C. J., & Matsuura, K. (2005). Advantages of the mean absolute error (MAE) over the root mean square error (RMSE) in assessing average model performance. *Climate Research*, 30(1). <https://doi.org/10.3354/cr030079>
- Yashaswini, D., Sneha, & Kumar, N. (2022). HTML Code Generation from Website Images and Sketches using Deep Learning-Based Encoder-Decoder Model. *Proceedings of 4th International Conference on Cybernetics, Cognition and Machine Learning Applications, ICCCMLA 2022*.  
<https://doi.org/10.1109/ICCCMLA56841.2022.9989298>
- Zhu, Y., Tian, D., & Yan, F. (2020). Effectiveness of Entropy Weight Method in Decision-Making. *Mathematical Problems in Engineering*, 2020.  
<https://doi.org/10.1155/2020/3564835>